

Laboratory:Laboratory for Advanced Materials 2000-2004

著者	Institute for Materials Research, Tohoku University
journal or publication title	List of Publications 2000-2004
URL	http://hdl.handle.net/10097/56490

Goto, T; Kimura, S; Okubo, S; Ohta, H; Motokawa, M

Metamagnetic transitions of Lu₂Cu₂O₅ studied by submillimeter-wave ESR

Appl. Magn. Reson. 18 (2000) 463 – 468

00-IMR0055

Haruyama, O; Kimura, H; Inoue, A; Nishiyama, N

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Appl. Phys. Lett. 76 (2000) 2026 – 2028

00-IMR0350

Inoue, A; Zhang, T; Chen, MW; Sakurai, T; Saida, J; Matsushita, M

Ductile quasicrystalline

Appl. Phys. Lett. 76 (2000) 967 – 969

00-IMR0097

Usami, N; Azuma, Y; Ujihara, T; Sazaki, G; Nakajima, K; Yakabe, Y; Kondo, T; Koh, S; Shiraki, Y; Zhang, B; Segawa, Y; Kodama, S

SiGe bulk crystal as a lattice-matched substrate to GaAs for solar cell

Appl. Phys. Lett. 77 (2000) 3565 – 3567

00-IMR0046

Xia, YB; Sekiguchi, T; Zhang, WJ; Jiang, X; Ju, JH; Wang, LJ; Yao, T

Surfaces of undoped and boron doped polycrystalline diamond films influenced by negative DC bias voltage

Diam. Relat. Mat. 9 (2000) 1636 – 1639

00-IMR0298

Sato, S; Matsubara, E; Tanaka, S; Kimura, M; Imafuku, M; Zhang, T; Inoue, A

In-situ observation of structural evolution of Zr₆₀Al₁₅Ni₂₅ bulk metallic glass in the supercooled liquid region

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Quasicrystals and nano-quasicrystals in annealed ZrAlNiCuAg metallic

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Zhang, W; Inoue, A

Crystallization and hard magnetic properties of Fe-Co-Nd-Dy-B amorphous alloys with glass transition

J. Appl. Phys. 87 (2000) 6122 – 6124

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Gravier, L; Makino, H; Arai, K; Sasaki, H; Kimura, K; Miwa, S; Yao, T

Magneto-optics on p-type ZnSe epilayers: the dependence on the nitrogen doping

J. Cryst. Growth 214 (2000) 581 – 584

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Sekiguchi, T; Miyashita, S; Obara, K; Shishido, T; Sakagami, N
Hydrothermal growth of ZnO single crystals and their optical
J. Cryst. Growth 214 (2000) 72 – 76

00-IMR0569

Asami, K; Ono, S
Quantitative X-ray photoelectron spectroscopy characterization of magnesium oxidized in
J. Electrochem. Soc. 147 (2000) 1408 – 1413

00-04TC01131

Yamasaki, M; Habazaki, H; Asami, K; Hashimoto, K
Oxidation behavior of amorphous Ni-Zr and Ni-Zr-Sm
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00-04TC00343

Inoue, A; Zhang, T; Chen, MW; Sakurai, T; Saida, J; Matsushita, M
Formation and properties of Zr-based bulk quasicrystalline alloys with high strength and good
J. Mater. Res. 15 (2000) 2195 – 2208

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Kimura, HM; Sasamori, K; Inoue, A
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J. Mater. Res. 15 (2000) 2737 – 2744

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Hara, S; Sakaki, K; Itoh, N; Kimura, HM; Asami, K; Inoue, A
An amorphous alloy membrane without noble metals for gaseous hydrogen
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Okada, S; Yu, Y; Kudou, K; Shishido, T; Tanaka, T; Higashi, I; Lundstrom, T; Fukuda, T
Synthesis and investigation of large crystals of $(Cr_{1-x}TM_x)(3)B-4$ with $TM = Ti, V, Nb, Ta, Mo$, and
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Inoue, A; Kimura, H
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Mater. Sci. Eng. A-Struct. Mater. 286 (2000) 1 – 10
Prop. Microstruct. Process.

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Mater. Sci. Eng. A-Struct. Mater. 287 (2000) 183 – 188
Prop. Microstruct. Process.

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Kimura, HM; Sasamori, K; Inoue, A

Formation, microstructure and mechanical properties of Al-Fe base quasicrystalline

Mater. Sci. Eng. A-Struct. Mater. 294 (2000) 168 – 172

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High-strength aluminum- and zirconium-based alloys containing nanoquasicrystalline

Mater. Sci. Eng. A-Struct. Mater. 294 (2000) 727 – 735

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Fujita, K; Inoue, A; Zhang, T

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A new method for producing amorphous alloy

Mater. Trans. JIM 41 (2000) 1463 – 1466

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Shen, BL; Koshiba, H; Kimura, H; Inoue, A

High strength and good soft magnetic properties of bulk glassy Fe-Mo-Ga-P-C-B alloys with high glass-forming ability

Mater. Trans. JIM 41 (2000) 1478 – 1481

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Thermal stability and magnetic properties of F-Co-Pr-B amorphous alloys with a supercooled liquid region

Mater. Trans. JIM 41 (2000) 1482 – 1485

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Isogai, K; Shoji, T; Kimura, H; Inoue, A

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Mater. Trans. JIM 41 (2000) 1486 – 1489

00-IMR0418

Pang, SJ; Zhang, T; Kimura, H; Asami, K; Inoue, A

Corrosion behavior of Zr-(Nb-)Al-Ni-Cu glassy

Mater. Trans. JIM 41 (2000) 1490 – 1494

00-IMR0419

Inoue, A; Zhang, T; Saida, J; Matsushita, M

Enhancement of strength and ductility in Zr-based bulk amorphous alloys by precipitation of quasicrystalline phase

Mater. Trans. JIM 41 (2000) 1511 – 1520

00-IMR0421

Kimura, H; Inoue, A; Sasamori, K

Microstructure and mechanical properties of P/M Al-V-Fe and Al-Fe-M-Ti (M = V, Cr, Mn) alloys containing dispersed quasicrystalline particles

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Mater. Trans. JIM 41 (2000) 1675 – 1678

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Mater. Trans. JIM 41 (2000) 1679 – 1682

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00-IMR0483

Mizuseki, H; Tanaka, K; Ohno, K; Kawazoe, Y

A new crystal growth model based on a stochastic method under an external

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Sluiter, MHF; Kawazoe, Y

Prediction of solution enthalpies of substitutional impurities in

Model. Simul. Mater. Sci. Eng. 8 (2000) 221 – 232

00-IMR0245

Berne, C; Pasturel, A; Sluiter, M; Vinet, B

Ab initio study of transitory metastable phases solidified by drop-tube

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Chen, MW; Inoue, A; Zhang, T; Sakai, A; Sakurai, T

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Philos. Mag. Lett. 80 (2000) 263 – 269

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Metallic bismuth on strontium-bismuth tantalate thin films for ferroelectric memory

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01-IMR0222

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01-IMR0223

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01-IMR0225

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